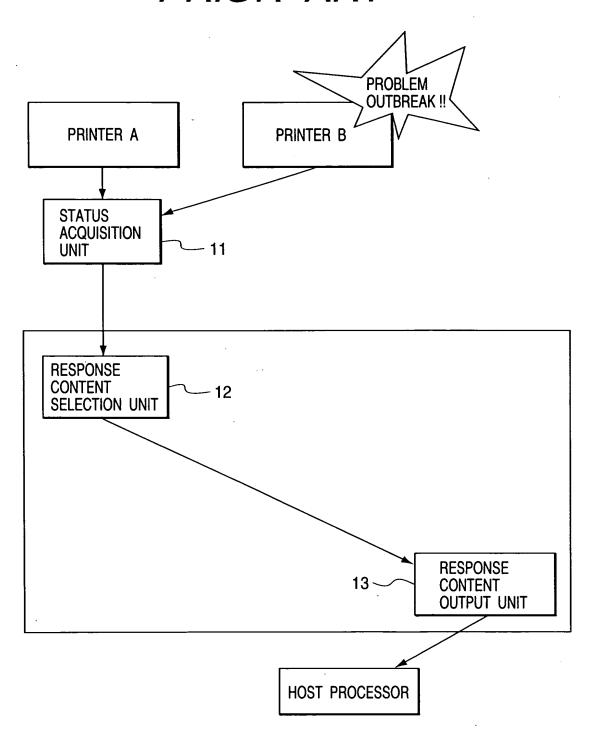
FIG. 1 PRIOR ART



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FIG. 2 PRIOR ART

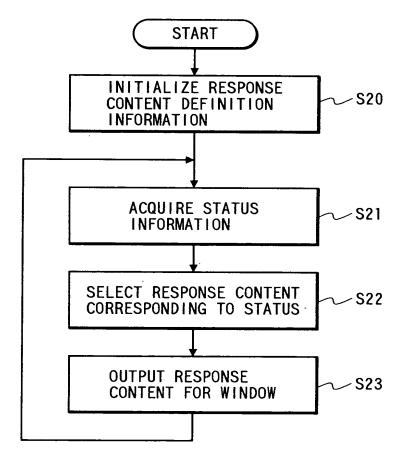


FIG. 3 PRIOR ART

STATE	MEANING	OUTPUT CHARACTER STRING
0	CONNECTION OFF OR POWER SUPPLY OFF	POWER SUPPLY IS NOT SUPPLIED
-	PRINTING STANDBY STAGE	PRINTING POSIBLE
2	PRINTER STARTING STAGE	STARTING STAGE
လ	PRINTER BUFFER ABNORMALITY	[INVALIDITY]
6	OTHER ERRORS	[INVALIDITY]
10	UPPER CARTRIDGE OUT	CARTRIDGE IS REMOVED
=	UPPER CARTRIDGE COPY PAPER OUT	COPY PAPER OUT
12	UPPER CARTRIDGE COPY PAPER REMAINING 5%	COPY PAPER RUN LOW
13	UPPER CARTRIDGE COPY PAPER REMAINING 10%	COPY PAPER RUN LOW
8	LOWER CARTRIDGE OUT	CARTRIDGE IS REMOVED
21	LOWER CARTRIDGE COPY PAPER OUT	COPY PAPER OUT
22	LOWER CARTRIDGE COPY PAPER REMAINING 5%	COPY PAPER RUN LOW
ಜ	LOWER CARTRIDGE COPY PAPER REMAINING 10%	COPY PAPER RUN LOW
೫	TONER CARTRIDGE OUT	TONER CARTRIDGE IS REMOVED
31	TONER OUT	TONER OUT
32	TONER REMAINING 5%	TONER RUN LOW
ಜ	TONER REMAINING 10%	TONER RUN LOW
41	FIXER OUT	FIXER OUT
42	FIXER REMAINING 5%	FIXER RUN LOW
43	FIXER REMAINING 10%	FIXER RUN LOW

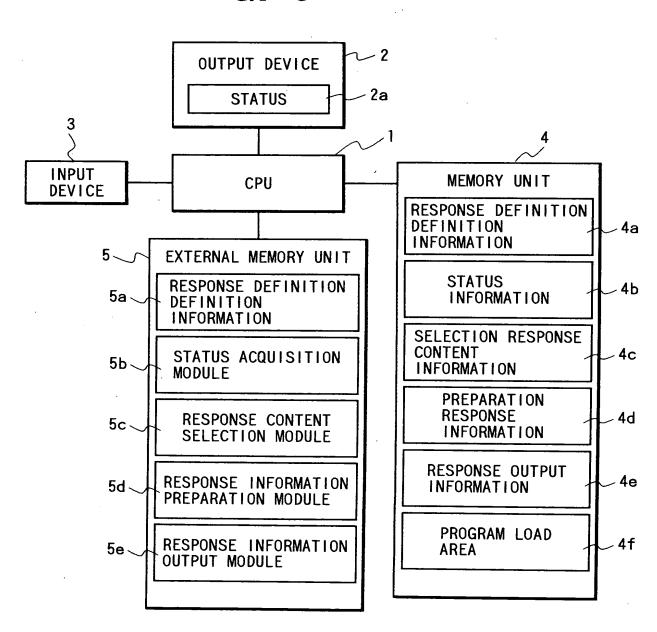
FIG. 4 PRIOR ART

PRINTER STATUS DIS	SPLAY WINDOW
THEF	RE IS NO PAPER

FIG. 5 PRIOR ART

STATUS	MEANING	Веер
0	RECEIVED MAIL ABSENT	OFF
1	RECEIVED MAIL PRESENT	ON

FIG. 6



APPROVED O.G. FIG.

BY CLASS SUBCLASS

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FIG. 7

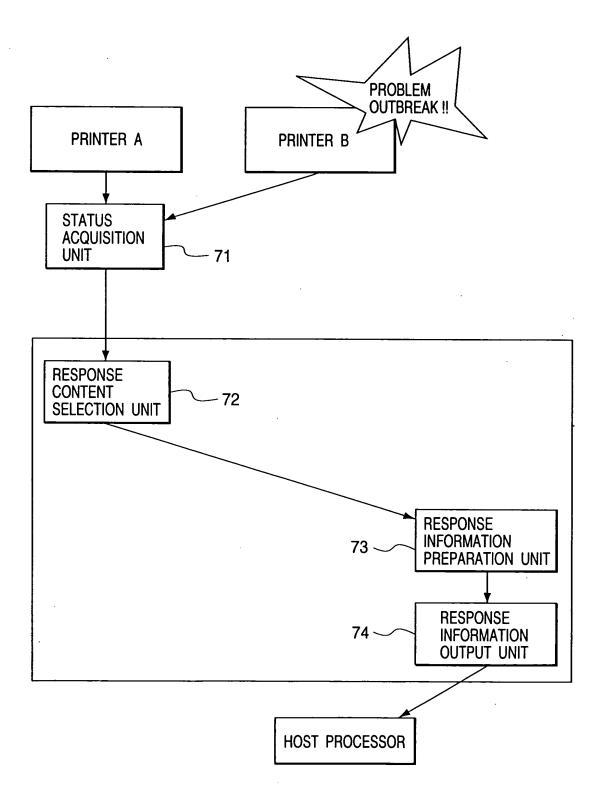
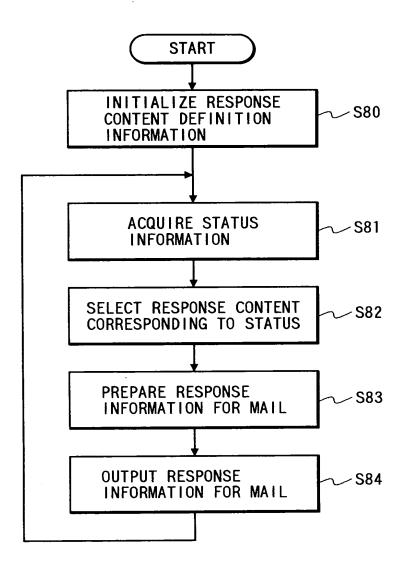


FIG. 8



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STATE	MEANING	OUTPUT CHARACTER STRING
0	CONNECTION OFF OR POWER SUPPLY OFF	POWER SUPPLY IS NOT SUPPLIED
-	PRINTING STANDBY STAGE	PRINTING POSSIBLE
2	PRINTER STARTING STAGE	STARTING STAGE
3	PRINTER BUFFER ABNORMALITY	[INVALIDITY]
တ	OTHER ERRORS	[INVALIDITY]
9	UPPER CARTRIDGE OUT	CARTRIDGE IS REMOVED
=	UPPER CARTRIDGE COPY PAPER OUT	COPY PAPER OUT
12	UPPER CARTRIDGE COPY PAPER REMAINING 5%	COPY PAPER RUN LOW
13	UPPER CARTRIDGE COPY PAPER REMAINING 10%	COPY PAPER RUN LOW
8	LOWER CARTRIDGE OUT	CARTRIDGE IS REMOVED
7	LOWER CARTRIDGE COPY PAPER OUT	COPY PAPER OUT
23	LOWER CARTRIDGE COPY PAPER REMAINING 5%	COPY PAPER RUN LOW
ន	LOWER CARTRIDGE COPY PAPER REMAINING 10% COPY PAPER RUN LOW	COPY PAPER RUN LOW
8	TONER CARTRIDGE OUT	TONER CARTRIDGE IS REMOVED
က	TONER OUT	TONER OUT
83	TONER REMAINING 5%	TONER RUN LOW
ಜ	TONER REMAINING 10%	TONER RUN LOW
41	FIXER OUT	FIXER OUT
42	FIXER REMAINING 5%	FIXER RUN LOW
\$	FIXER REMAINING 10%	FIXER RUN LOW

FIG. 10

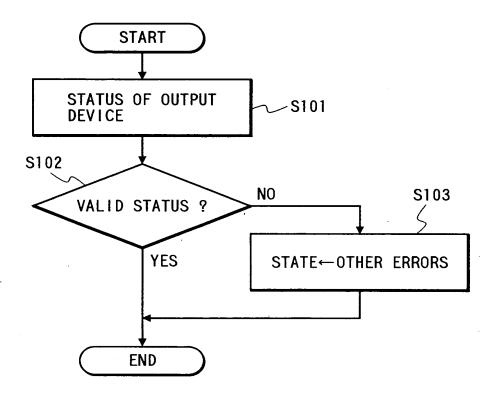


FIG. 11

VARIABLE NAME	MEANING
STATE	STATUS OF PRINTER

CESETS CHILLOY

FIG. 12

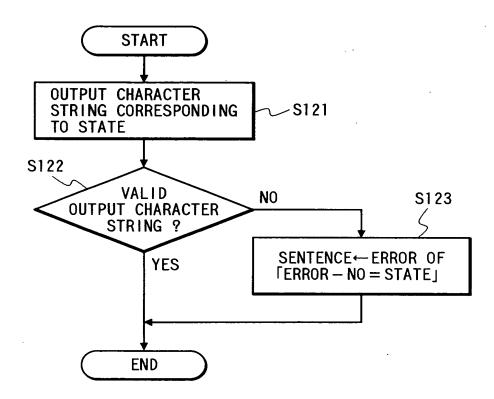
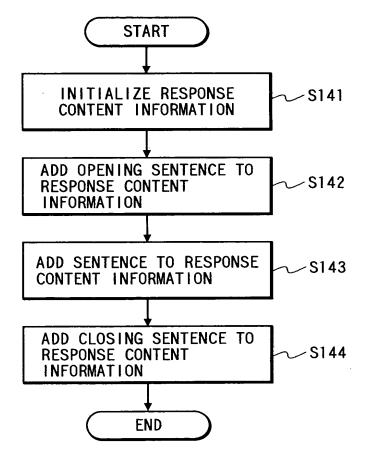


FIG. 13

VARIABLE NAME	MEANING
SENTENCE	OUTPUT CHARACTER STRING FOR RESPONSE

CEEEE LELLEY



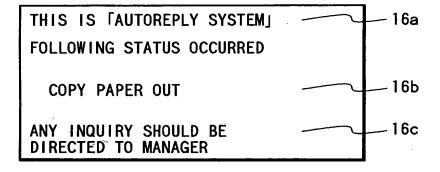
BY CLASS SUBCLASS
DRAFTSMAN

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FIG. 15

KIND	CHARACTER STRING
OPENING SENTENCE	THIS IS 「AUTOREPLY SYSTEM」 FOLLOWING STATUS OCCURRED
CLOSING SENTENCE	ANY INQUIRY SHOULD BE DIRECTED TO MANAGER

FIG. 16



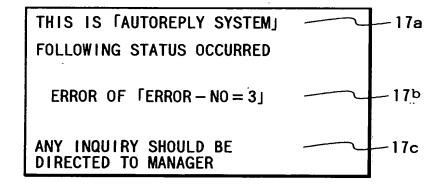


FIG. 19

KIND	CHARACTER STRING
MAIL HEADER SENTENCE	Subject: Printer Status Date: Fri, 26 Jul 1996 17:45:15+0900 From: AUTOREPLY SYSTEM < autoreply@xxx.yyy.co.jp> To: USER < user@xxx.yyy.co.jp>
MAIL FOOTER SENTENCE	AUTOREPLY SYSTEM Ver 1.01 MANAGER: ICHIRO KANRI tel: 03-xxxx-xxxx fax:03-yyyy-yyyy email: kanri@xxx.yyy.co.jp

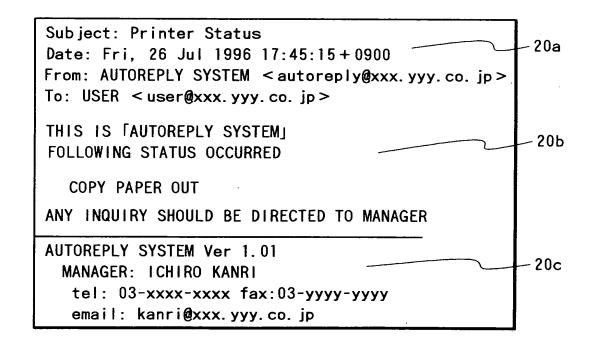
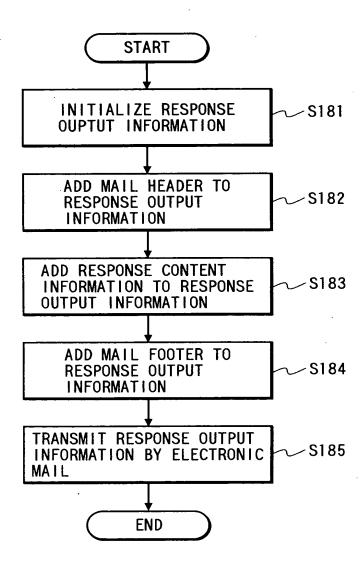
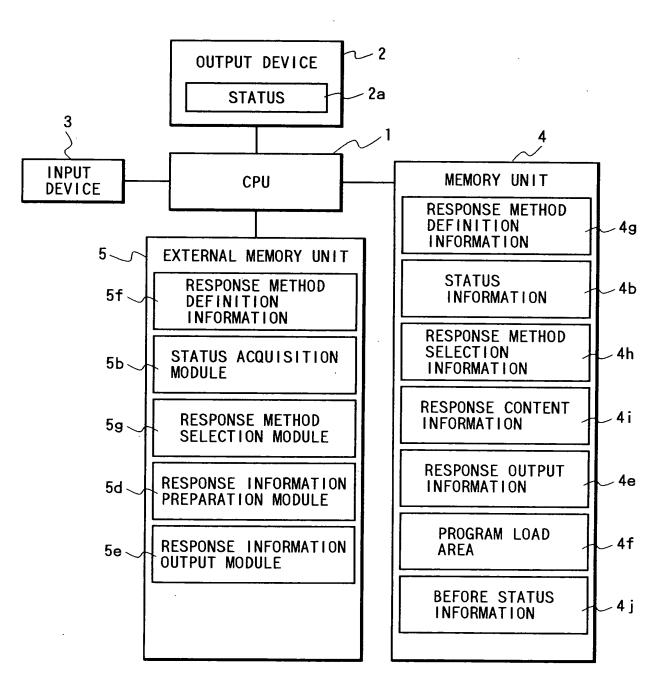


FIG. 18



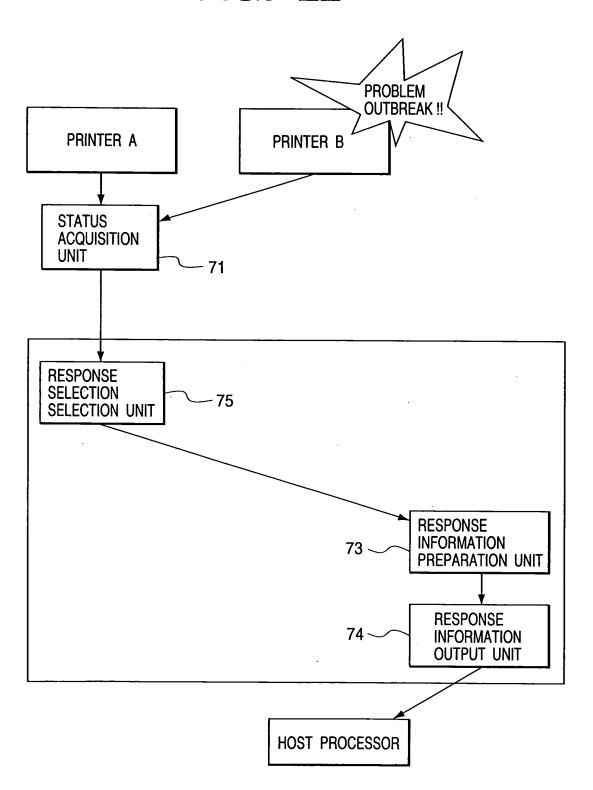
CELLET EZEROZO

FIG. 21



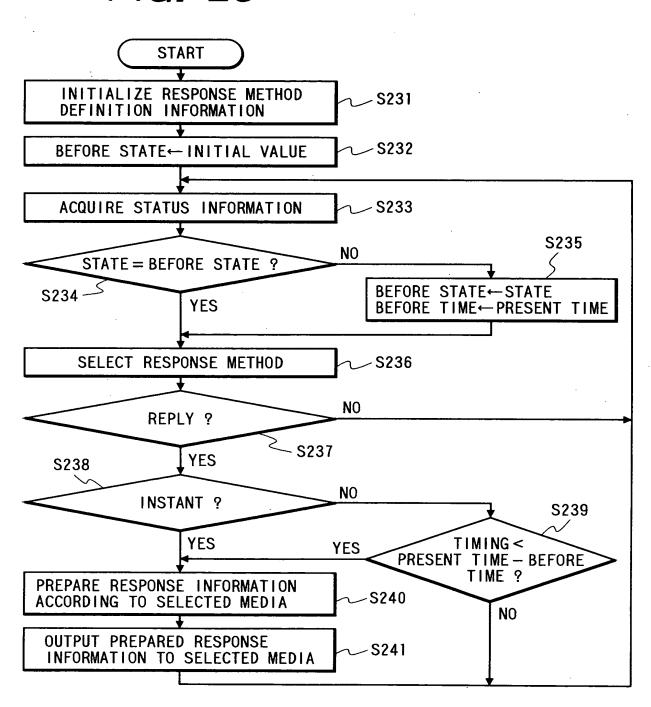
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FIG. 22



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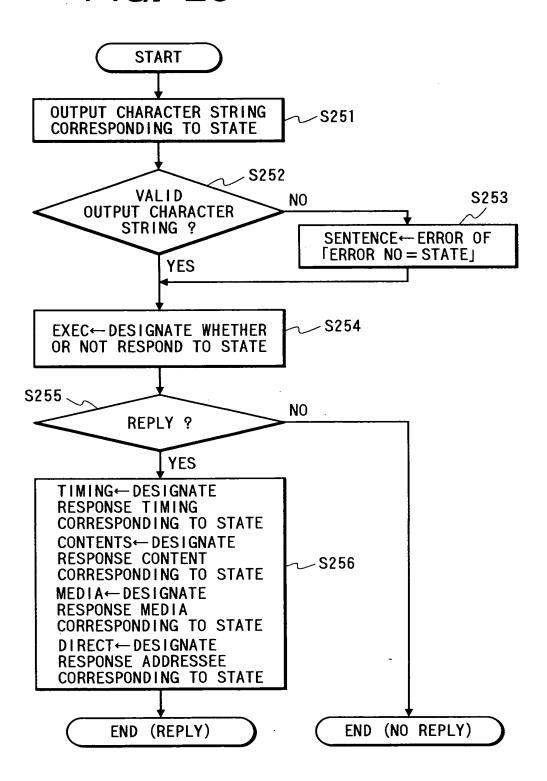


		ı						,	1	8 /	46) 			-								
ъ	OUTPUT CHARACTER STRING	POWER SUPPLY IS NOT SUPPLIED	PRINTING POSSIBLE	STARTING STAGE	[INVALIDITY]	[INVALIDITY]	CARTRIDGE IS REMOVED	COPY PAPER OUT	COPY PAPER RUN LOW	COPY PAPER RUN LOW	CARTRIDGE IS REMOVED	COPY PAPER OUT		COPY PAPER RUN LOW	COPY PAPER RUN LOW	TONER CARTRIDGE IS REMOVED	Toner out	TONER RUN LOW	TONER RUN LOW	fixer out		FIXER RUN LOW	FIXER RUN LOW
96	DNIWIL	INSTANT	INSTANT	INSTANT	5 MINUTES LATER	INSTANT	5 MINUTES LATER	INSTANT	INSTANT	INSTANT	5 MINUTES LATER	INSTANT		INSTANT	INSTANT	5 MINUTES LATER	INSTANT	INSTANT	5 MINUTES LATER	INSTANT		INSTANT	5 MINUTES LATER
96	RESPONSE ADDRESSEE	USER	USER	USER	MANAGER	MANAGER	USER	USER	USER	USER	USER	USER		USER	USER	ASSISTANT	ASSISTANT	ASSISTANT		ASSISTANT		ASSISTANT	ASSISTANT
90	MEDIA	MODNIM	WINDOW	WINDOW	FAX	BEEPER	MODNIM	WINDOW & BEEP	MODNIM	MAIL	WINDOW	MODNIM	& BEEP	WINDOW	MAIL	WINDOW	WINDOW & BEEP	WINDOW	MAIL	MINDOW	& BEEP	WINDOW & BEEP	WINDOW
96	CONTENT	ORDINARY	ORDINARY	ORDINARY	IMPORTANT	URGENT	ORDINARY	IMPORTANT WINDOW & BEEP	ORDINARY	ORDINARY	ORDINARY WINDOW	IMPORTANT WINDOW		ORDINARY WINDOW	ORDINARY	ORDINARY	IMPORTANT WINDOW	ORDINARY	ORDINARY	IMPORTANT WINDOW		IMPORTANT WINDOW & BEEP	ORDINARY
9a	RESPONSE	9	2	ON	YES	S∃A	ON	S∃A	YES	YES	9	SI SI	į	YES	YES	Q	YES	YES	YES	YES		YES	YES
FIG. 24	MEANING	CONNECTION OFF OR POWER SUPPLY OFF	PRINTING STANDBY STAGE	PRINTER STARTING STAGE	PRINTER BUFFER ABNORMALITY	Other Errors	Upper Cartridge out	upper Cartridge Copy Paper Out	UPPER CARTRIDGE COPY PAPER REMAINING 5%	UPPER CARTRIDGE COPY PAPER REMAINING 10%	Lower Cartridge out	LOWER CARTRIDGE COPY PAPER OUT		LOWER CARTRIDGE COPY PAPER REMAINING 5%	LOWER CARTRIDGE COPY PAPER REMAINING 10%	Toner Cartridge Out	TONER OUT	TONER REMAINING 5%	Toner remaining 10%	fixer out		Fixer remaining 5%	Fixer Remaining 10%
	STATE	0	-	7	3	6	9	=	22	33	7	 	┪		ಜ		<u>-</u>	83	33	4	\dashv	42	43

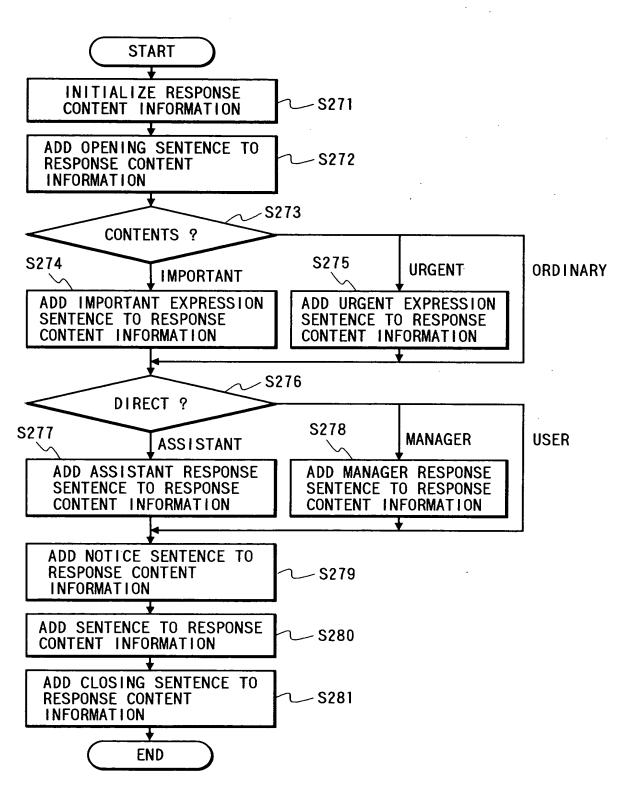
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MEANING	RESPONSE OUTPUT CHARACTER STRING	DESIGNATE WHETHER OR NOT RESPOND TO STATE	DESIGNATE RESPONSE TIMING	DESIGNATE RESPONSE CONTENT	DESIGNATE RESPONSE MEDIA	DESIGNATE RESPONSE ADDRESSEE
VARIABLE NAME	SENTENCE	EXEC	TIMING	CONTENTS	MEDIA	DIRECT



KIND	CHARACTER STRING
OPENING SENTENCE	THIS IS AUTOREPLY SYSTEM
IMPORTANT EXPRESSION SENTENCE	THIS IS VERY IMPORTANT NOTICE PLEASE BE SURE TO ATTEND TO IT
URGENT EXPRESSION SENTENCE	THIS IS URGENT NOTICE PLEASE ATTEND TO IT AT ONCE
ASSISTANT RESPONSE SENTENCE	IN PRINTER LOCATED NEAR ENTRANCE OF ROOM
MANAGER RESPONSE SENTENCE	27TH FLOOR FACING SOUTH IN PRINTER LOCATED NEAR ENTRANCE OF ROOM
NOTICE SENTENCE	FOLLOWING STATUS OCCURRED
CLOSING SENTENCE	ANY INQUIRY SHOULD BE DIRECTED TO MANAGER OR ASSISTANT

FIG. 29

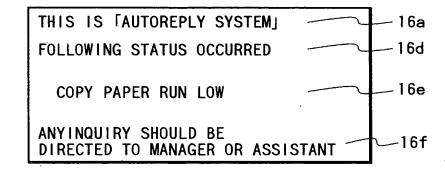
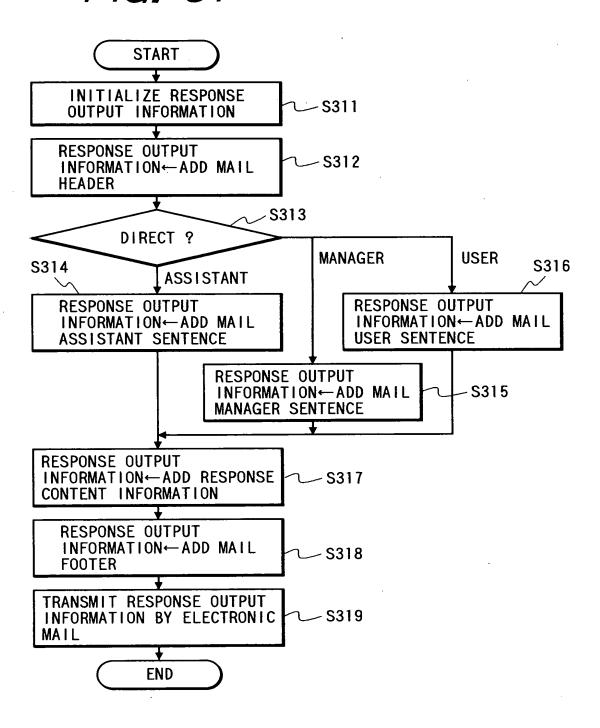


FIG. 30

THIS IS FAUTOREPLY SYSTEMJ	— 17a
IN PRINTER LOCATED NEAR ENTRANCE — OF ROOM	∼17c
FOLLOWING STATUS OCCURRED	—17d
TONER RUN LOW	—17e
ANY INQUIRY SHOULD BE DIRECTED TO MANAGER OR ASSISTANT	└-17f

DRAFTSMAN



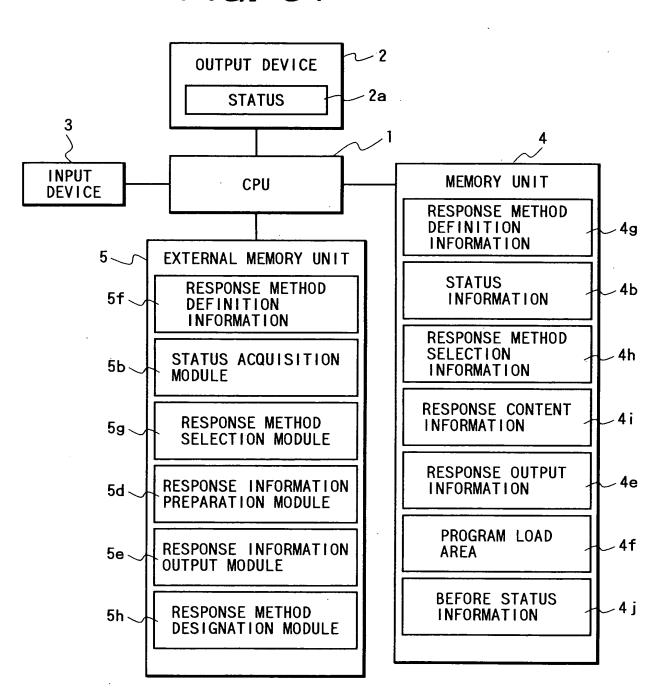
KIND	CHARACTER STRING
MAIL HEADER SENTENCE	Subject: Printer Status Date: Fri, 26 Jul 1996 17:45:15+0900 From: AUTOREPLY SYSTEM < autoreply@xxx.yyy.co.jp>
MAIL USER SENTENCE	To: USER < user@xxx.yyy.co.jp>
MAIL ASSISTANT SENTENCE	To: TARO JOSHU < joshu@xxx.yyy.co.jp>
MAIL MANAGER SENTENCE	To: ICHIRO KANRI < kanri@xxx.yyy.co.jp>
MAIL FOOTER SENTENCE	AUTOREPLY SYSTEM Ver 1.01 MANAGER: ICHIRO KANRI tel: 03-xxxx-xxxx fax:03-yyyy-yyyy email: kanri@xxx.yyy.co.jp ASSISTANT: TARO JOSHU tel: 03-xxxx-xxxx fax:03-yyyy-yyyy email: joshu@xxx.yyy.co.jp

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Subject: Printer Status Date: Fri, 26 Jul 1996 17:45:15+0900 From: AUTOREPLY SYSTEM < autoreply@xxx.yyy.co.jp> To: TARO JOSHU < joshu@xxx.yyy.co.jp>	_ 20a _ 20b
THIS IS 「AUTOREPLY SYSTEM」 IN PRINTER LOCATED NEAR ENTRANCE OF ROOM FOLLOWING STATUS OCCURRED	– 20c
TONER RUN LOW	
ANY INQUIRY SHOULD BE DIRECTED TO MANAGER OR ASSISTANT	
AUTOREPLY SYSTEM Ver 1.01	- 20d
MANAGER: ICHIRO KANRI	
tel: 03-xxxx-xxxx fax:03-yyyy-yyyy	
email: kanri@xxx.yyy.co.jp ASSISTANT: TARO JOSHU	
tel: 03-xxxx-xxxx fax:03-yyyy-yyyy	
email: joshu@xxx.yyy.co.jp	

FIG. 34



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FIG. 35

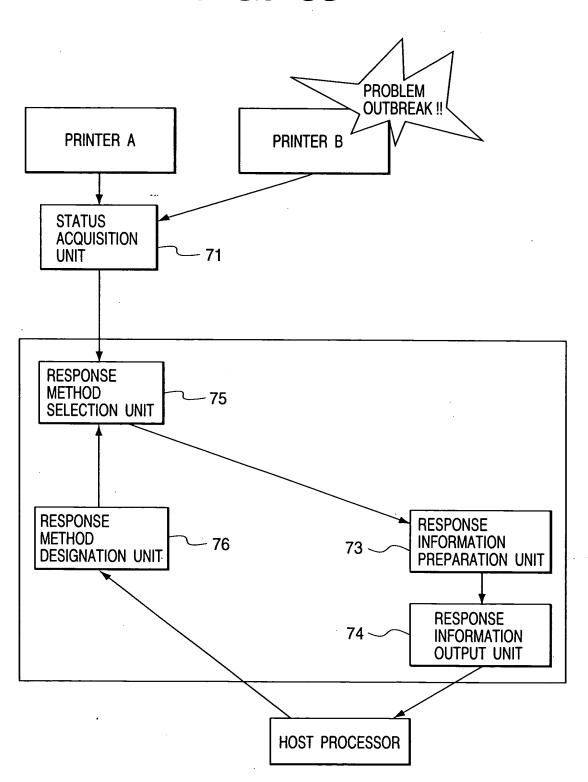
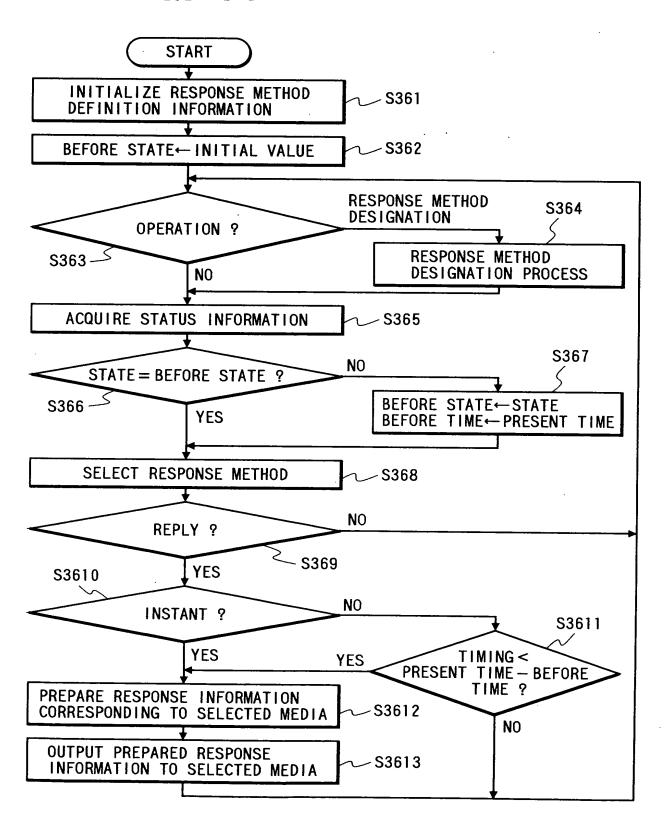
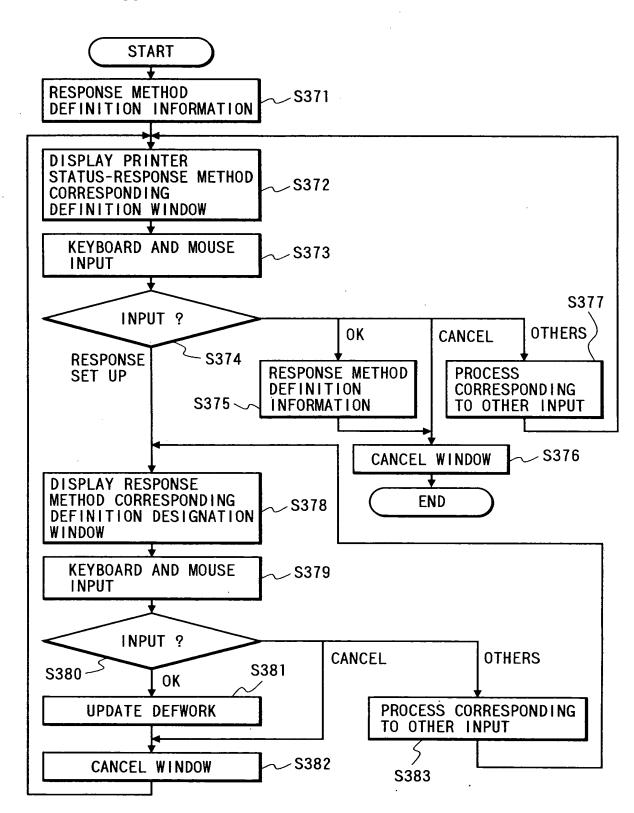


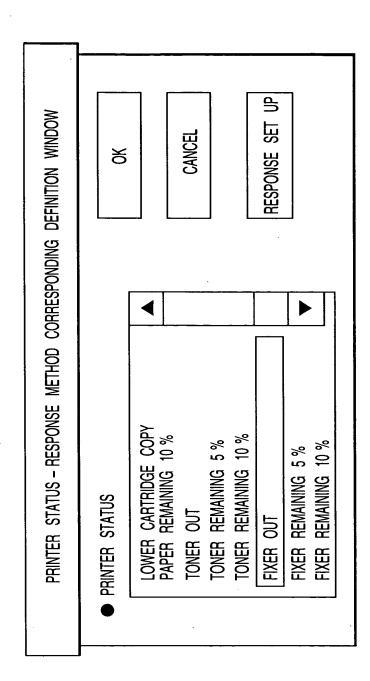
FIG. 36



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F/G. 38A



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FIG. 38B

	RESPONSE M	ethod correspon(RESPONSE METHOD CORRESPONDING DEFINITION DESIGNATION WINDOW	MODNIM NOL	
• PRIN	PRINTER STATUS = 33	33	[TONER REMAINING 10%]	VG 10%]	
RESF	RESPONSE	• YES	0 NO		
CON	CONTENTS	ORDINARY	O IMPORTANT	O URGENT	
MEDIA	Ψ	O WINDOW	● MAIL WINDOW & BEED	O FAX	
RESI	response Addressee	O USER	● ASSISTANT	O MANAGER	
DNIWIL	9	5 MINU	Minutes Later		
		Ж	CANCEL		
_					

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FIG. 38C

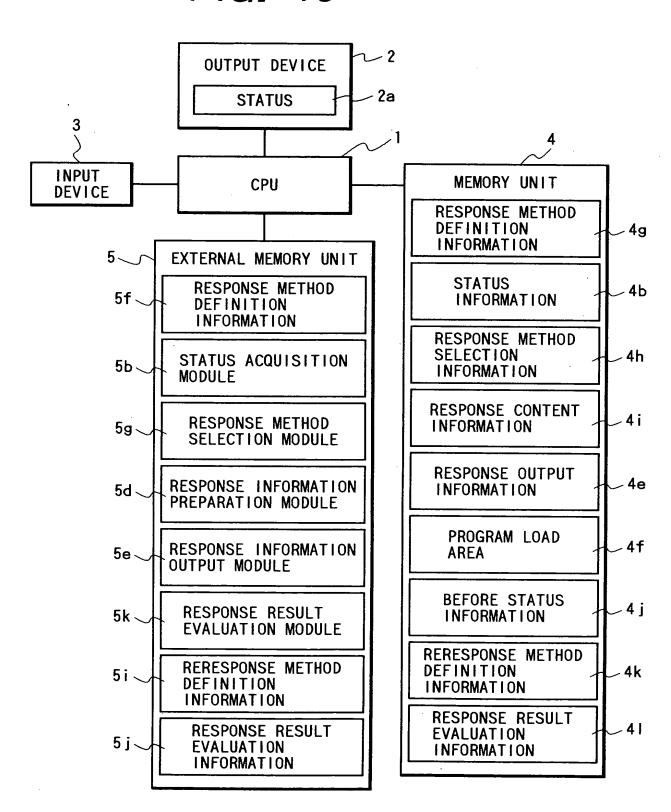
RESPONSE	E METHOD CORRESPO	response method corresponding definition designation window	ion window
PRINTER STATUS = 33	5 = 33	[TONER REMAINING 10%]	IG 10%]
RESPONSE	• YES	O NO	
CONTENTS	O ORDINARY	● IMPORTANT	O urgent
MEDIA	O WINDOW	MAIL MAIN MINDOW & REED	O FAX.
RESPONSE ADDRESSEE	● USER	O ASSISTANT	O MANAGER
TIMING	S	MINUTES Later	
	Ϋ́O	CANCEL	

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MEANING RESPONSE CONTENT MEDIA ADDIA ADDIA	9b 9c CONTENT MEDIA	9c MEDIA		A SES	9d RESPONSE ADDRESSEE	9e TIMING	9f OUTPUT CHARACTER STRING
ER SUPPLY OFF NO ORDINARY V	ORDINARY		WINDO		ADDRESSEE USER	INSTANT	POWER SUPPLY IS NOT SUPPLIED
PRINTING STANDBY STAGE NO ORDINARY WINDOW	ORDINARY		WINDC	≨	USER	INSTANT	PRINTING POSSIBLE
PRINTER STARTING STAGE NO ORDINARY WINDOW	ORDINARY	ORDINARY WINDO	MNDO	3	USER	INSTANT	STARTING STAGE
PRINTER BUFFER ABNORMALITY YES IMPORTANT FAX	IMPORTANT		FAX		MANAGER	5 MINUTES LATER	[INVALIDITY]
OTHER ERRORS VES URGENT BEEPER	URGENT		BEEPER		MANAGER	INSTANT	[INVALIDITY]
UPPER CARTRIDGE OUT NO ORDINARY WINDOW	ORDINARY		WINDOW		USER	5 MINUTES LATER	CARTRIDGE IS REMOVED
UPPER CARTRIDGE COPY PAPER OUT YES IMPORTANT WINDOW & BEEP & BEEP		IMPORTANT WINDOW & BEEP	WINDOW & BEEP		USER	INSTANT	COPY PAPER OUT
UPPER CARTRIDGE COPY PAPER REMAINING 5% YES ORDINARY WINDOW	ORDINARY		MINDOW		USER	INSTANT	COPY PAPER RUN LOW
UPPER CARTRIDGE COPY PAPER REMAINING 10% YES ORDINARY MAIL	ORDINARY		MAIL		USER	INSTANT	COPY PAPER RUN LOW
LOWER CARTRIDGE OUT NO ORDINARY WINDOW		ORDINARY WINDOW	WINDOW		USER	5 MINUTES LATER	CARTRIDGE IS REMOVED
LOWER CARTRIDGE COPY PAPER OUT YES IMPORTANT WINDOW REF		MPORTANT WINDOW	WINDOW & RFFP		USER	INSTANT	COPY PAPER OUT
OWER CARTRINGE COPY PAPER REMAINING 5% VES CARTRINGEN WINDOW	T	OBDINARY WINDOW	MOUNIM	+	<u>a</u>	INSTANT	MO I NI IO GODA GODA
VES	T	ORDINARY MAIL	W	 		INSTANT	COPY PAPER RIN LOW
NO ORDINARY	ORDINARY	ORDINARY WINDOW	MOGNIM	† 	A	5 MINUTES LATER	TONER CARTRIDGE IS REMOVED
TONER OUT YES IMPORTANT WINDOW		MPORTANT WINDOW	MODNIM		ASSISTANT	INSTANT	TONER OUT
& BEEP	& BEEP	& BEEP	& BEEP				
TONER REMAINING 5% YES ORDINARY WINDOW	ORDINARY	ORDINARY WINDOW	WINDOW		ASSISTANT	INSTANT	TONER RUN LOW
toner revaining 16%	🌉 Yesa 🔭 Importanti wall 🍇 😮	Wrortanti (wail 🔹 💸	MAIL.		USERS 🚰	5. MINUTES MATER	GO - MONANDU BENOL BENY SENANTAS I SESSA S
FIXER OUT YES IMPORTANT WINDOW		MPORTANT WINDOW	MINDOW		ASSISTANT	INSTANT	fixer out
& BEEP	& BEEP	& BEEP	& BED	\dashv			
Fixer remaining 5% Yes Important Window		Mportant window 8 beep	WINDOW & BEEP		ASSISTANT	INSTANT	fixer run Low
FIXER REMAINING 10% YES ORDINARY WINDOW		Ordinary Window	WINDOW		ASSISTANT	5 MINUTES LATER	FIXER RUN LOW

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FIG. 40

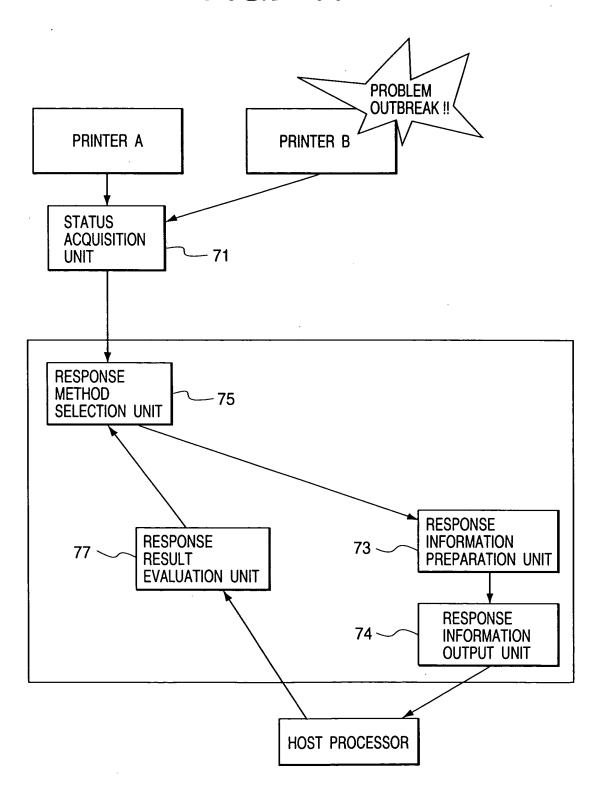


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APPROVED O.G. FIG. CLASS SUBCLASS

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FIG. 41



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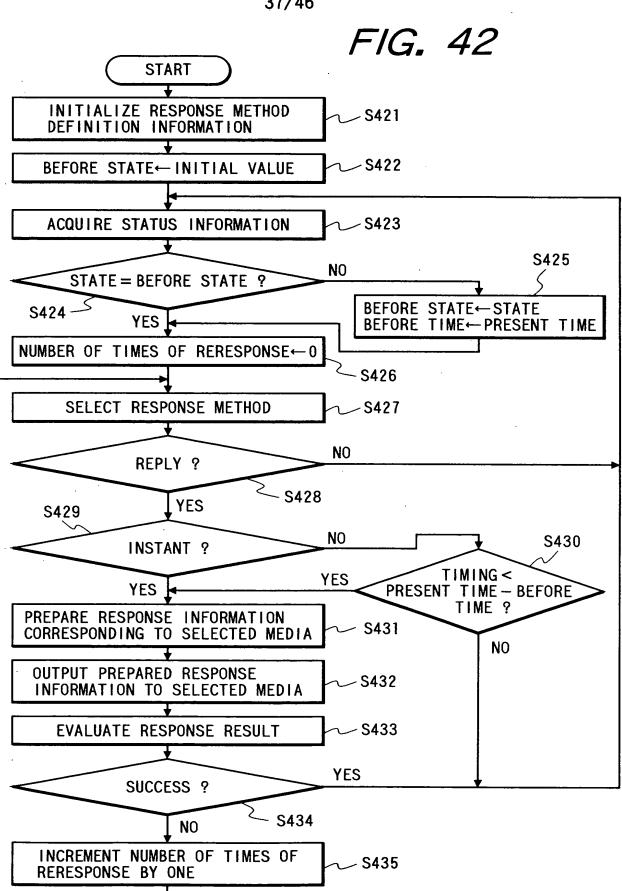
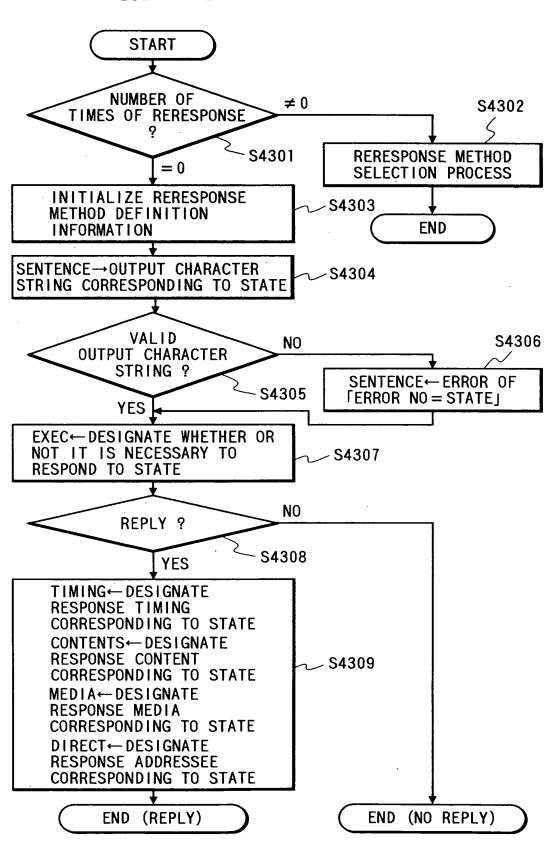
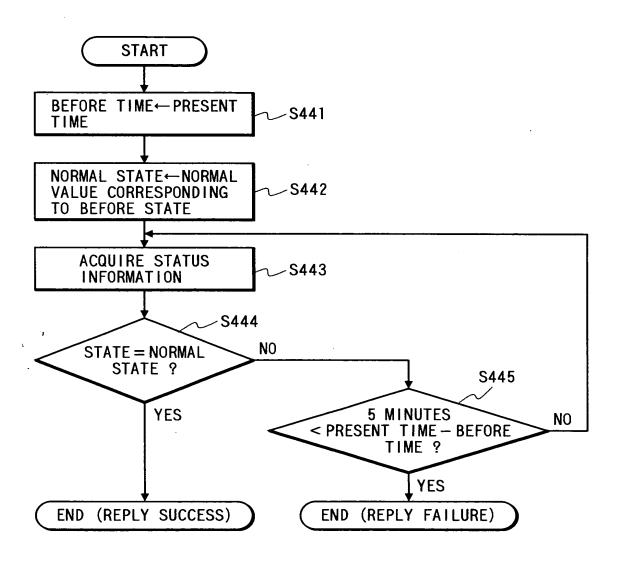




FIG. 43



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	ACQUISITION VALUE		NORIMAL VALUE
STATE	MEANING	STATE	MEANING
0	CONNECTION OFF OR POWER SUPPLY OFF	1	PRINTING STANDBY STAGE
_	PRINTING STANDBY STAGE	1	PRINTING STANDBY STAGE
2	PRINTER STARTING STAGE	1	PRINTING STANDBY STAGE
က	PRINTER BUFFER ABNORMALITY	1	PRINTING STANDBY STAGE
6	OTHER ERRORS	1	PRINTING STANDBY STAGE
9	UPPER CARTRIDGE OUT	1	PRINTING STANDBY STAGE
=	UPPER CARTRIDGE COPY PAPER OUT	1	PRINTING STANDBY STAGE
12	UPPER CARTRIDGE COPY PAPER REMAINING 5%	1	PRINTING STANDBY STAGE
13	UPPER CARTRIDGE COPY PAPER REMAINING 10%	1	PRINTING STANDBY STAGE
20	LOWER CARTRIDGE OUT	1	PRINTING STANDBY STAGE
21	LOWER CARTRIDGE COPY PAPER OUT	-	PRINTING STANDBY STAGE
8	LOWER CARTRIDGE COPY PAPER REMAINING 5%	1	PRINTING STANDBY STAGE
ಜ	LOWER CARTRIDGE COPY PAPER REMAINING 10%	1	PRINTING STANDBY STAGE
တ္တ	Toner Cartridge out	1	PRINTING STANDBY STAGE
31	TONER OUT	1	PRINTING STANDBY STAGE
32	TONER REMAINING 5%	-	PRINTING STANDBY STAGE
33	TONER REMAINING 10%	1	PRINTING STANDBY STAGE
41	FIXER OUT	+	PRINTING STANDBY STAGE
42	FIXER REMAINING 5%	-	PRINTING STANDBY STAGE
43	FIXER REMAINING 10%	-	PRINTING STANDBY STAGE

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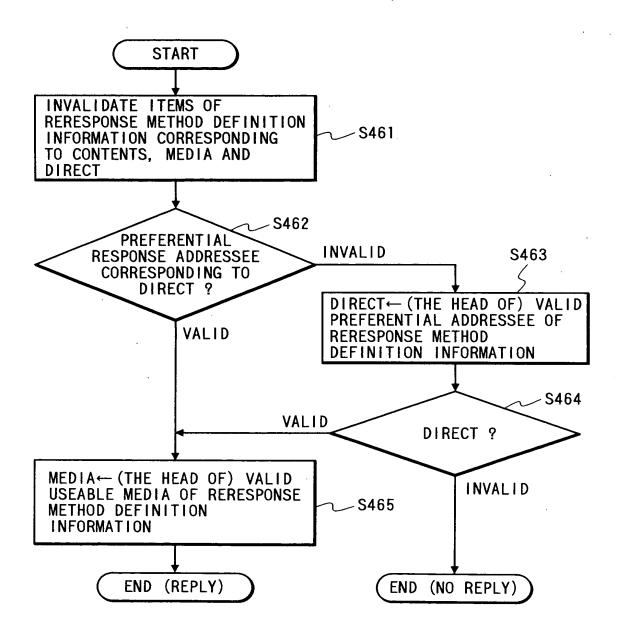


FIG. 47

Preferential Response addressee		USEABLE	JSEABLE MEDIA	
USER	MAIL	WINDOW	WINDOW & BEEP	
ASSISTANT	B36338	MAIL	WINDOW	WINDOW & BEEP
MANAGER	BEEPER	FAX		٠

FIG. 48

PREFERENTIAL RESPONSE ADDRESSEE		USEABLE MEDIA	MEDIA	
USER	MAIL	MINDOW	WINDOW & BEEP	
ASSISTANT	BEEPER	* NVALIDITY**	WINDOW	WINDOW & BEEP
MANAGER	BEEPER	FAX		

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FIG. 49

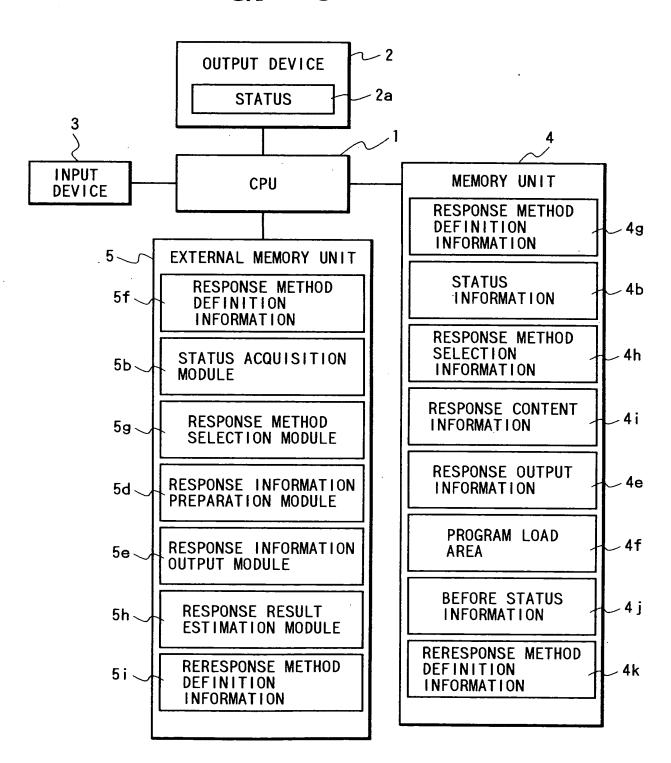
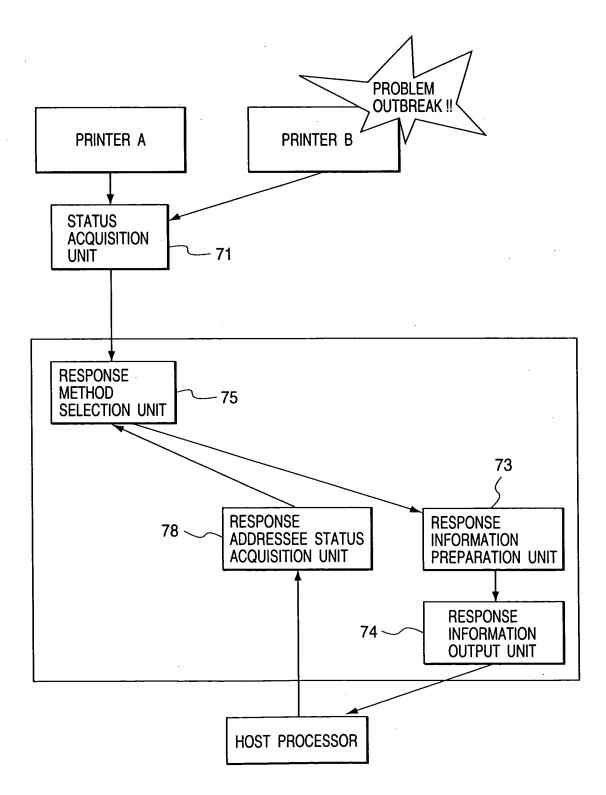
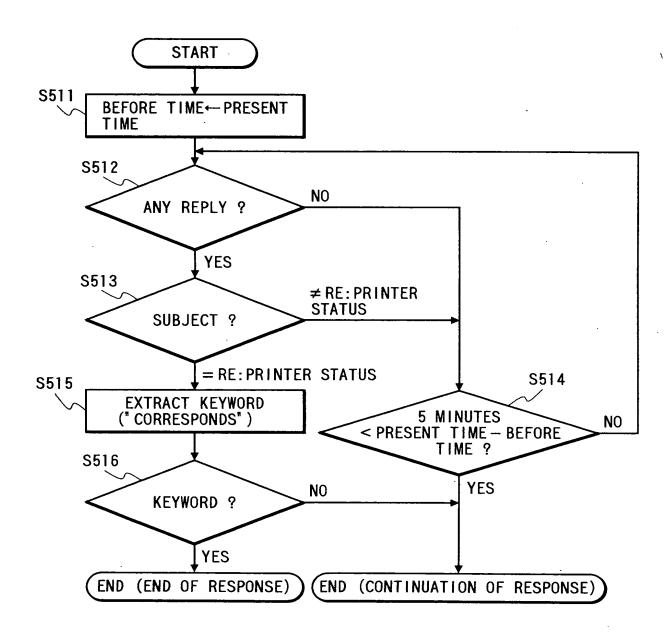


FIG. 50



TELLE, CZECET

FIG. 51



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FIG. 52

- 30a Subject: Re:Printer Status Date: Fri, 26 Jul 1996 17:47:30 + 0900 - 30b From: TARO JOSHU < joshu@xxx.yyy.co.jp> To: AUTOREPLY SYSTEM < autoreply@xxx.yyy.co.jp> **AUTOREPLY SYSTEM wrote:** - 30c > THIS IS 「AUTOREPLY SYSTEM」 > IN PRINTER LOCATED NEAR ENTRANCE OF ROOM > FOLLOWING STATUS OCCURRED > > TONER RUN LOW > ANY INQUIRY SHOULD BE DIRECTED TO > MANAGER OR ASSISTANT 30d SYSTEM MANAGER WILL ATTEND TO ABOVE-MENTIONED STATUS